



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,204	01/21/2004	Kia Silverbrook	RRA19US	1337
24011	7590	03/09/2006	EXAMINER	
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, NSW 2041 AUSTRALIA			UHLENHAKE, JASON S	
			ART UNIT	PAPER NUMBER
			2853	

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/760,204	Applicant(s) SILVERBROOK, KIA	
	Examiner Jason Uhlenhake	Art Unit 2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 – 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinada et al (U.S. Pat. 6,547,363) in view of Matsui et al (U.S. Pat. 6,644,801) and Miyazawa et al (U.S. Pub. 2002/0158948).

Shinada et al discloses:

- ***regarding claim 1***, a body complementary to each of a number of removable inkjet cartridges each of having an ink supply and each having different performance characteristics (Figure 1; Column 2, Lines 30 – 35, 53 – 59)
- a controller arranged to determine the performance characteristics of each of said number of cartridges once coupled to said cradle and to operate each said cartridge in response to the determined performance characteristics (Column 2, Lines 30 – 35; Column 3, Lines 29 – 39)
- ***regarding claim 3***, the body includes a recess (1) receive any one of the number of removable inkjet cartridges (Figures 1, 2)

Shinada et al does not disclose expressly:

- ***regarding claim 1***, having a pagewidth printhead

- **regarding claim 2**, the controller is arranged to operate each of a number of removable inkjet cartridges having performance characteristics which differ by one or more of: optimum printing speed, ink capacity

Matsui et al discloses:

- **regarding claim 1**, having a pagewidth printhead (Column 11, Lines 18 – 24), for the purpose of increasing printing speed.

Miyazawa et al discloses:

- **regarding claim 2**, the controller is arranged to operate each of a number of removable inkjet cartridges having performance characteristics which differ by one or more of: optimum printing speed, ink capacity (Paragraph 0010, Claims 12 and 14), for the purpose of increasing the capacity of ink and improving the quality of printing.

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of having a pagewidth printhead; the controller is arranged to operate each of a number of removable inkjet cartridges having performance characteristics which differ by one or more of: optimum printing speed, ink capacity as taught by Matsui et al and Miyazawa et al into the device of Shinada et al. The motivation for doing so would have been to increase printing speed and increase the capacity of ink and improving the quality of printing.

Response to Arguments

Applicant's arguments with respect to claims 1 - 3 have been considered but are moot in view of the new ground(s) of rejection. Please see the above rejections of

Art Unit: 2853

Shinada et al, Matsui et al and Miyazawa et al. They disclose a pagewidth printhead with a controller that is arranged to operate each of a number of removable inkjet cartridges having performance characteristics, which differ by one or more of: optimum printing speed, ink capacity

Conclusion

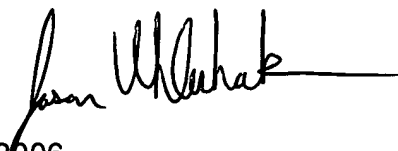
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSU

March 2, 2006




K. FEGGINS
PRIMARY EXAMINER